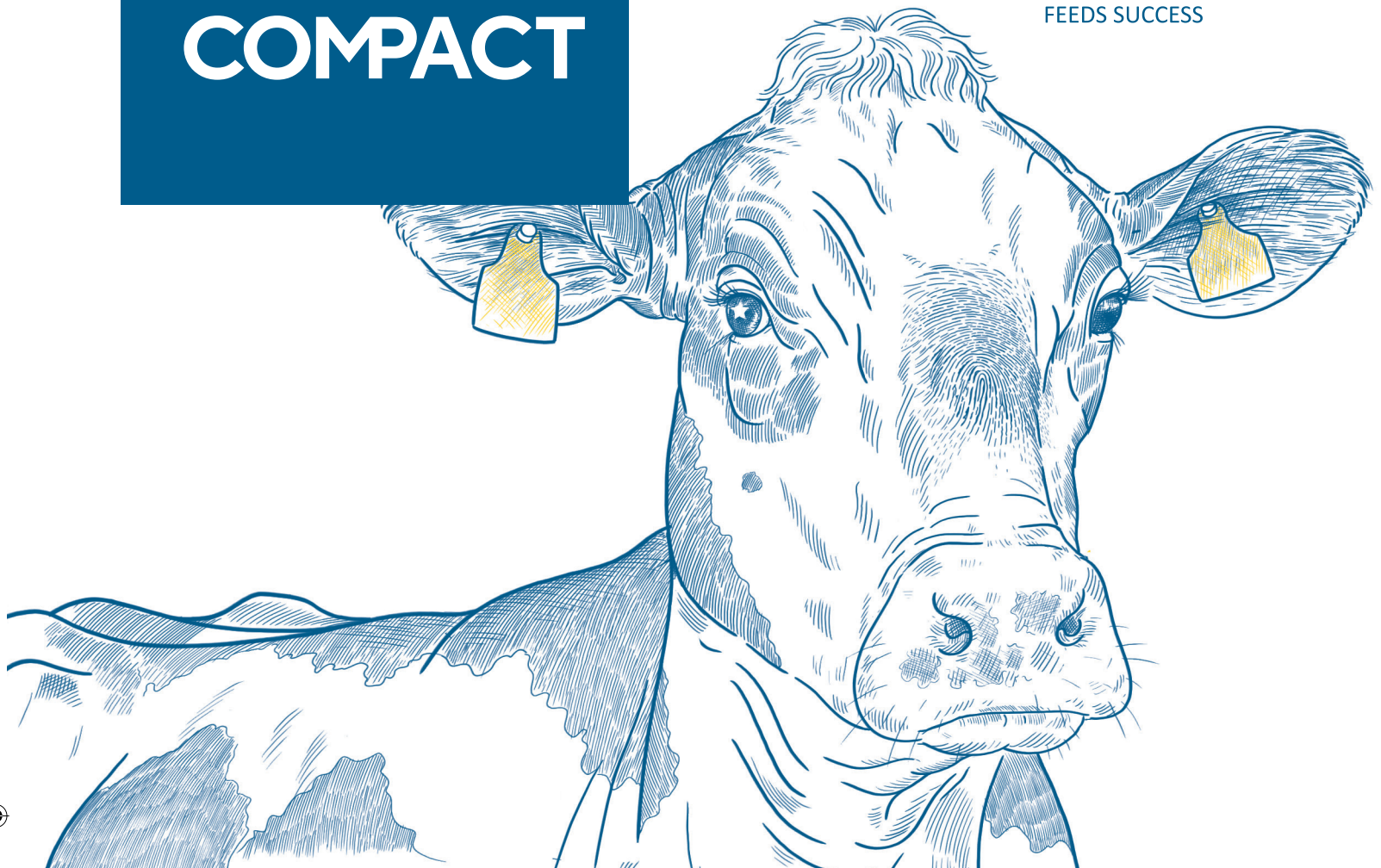


FEEDS SUCCESS

COMPACT



Cattle 2025

The SCHAUMANN concept

much more than
just mineral feed

Cow-how

digital, clear
and transparent

85 years SCHAUMANN

passionate,
resource- efficient,
effective



Dear Cattle Farmers,

The demands placed on milk and meat production in Europe have changed dramatically. Concepts like improved animal welfare, efficient nutrient use and the carbon footprint of our food - and by extension our agricultural production - have come to the fore, presenting us all with new challenges.

Efficiency and resource-saving – the key to success

In the past, the focus was on performance, animal health and profitability. Today and in the future, it is about combining these objectives with sustainable and resource-efficient farming practices. With our Schaumann feeding concepts, we offer you efficient, farm-specific solutions for optimised cattle nutrition.

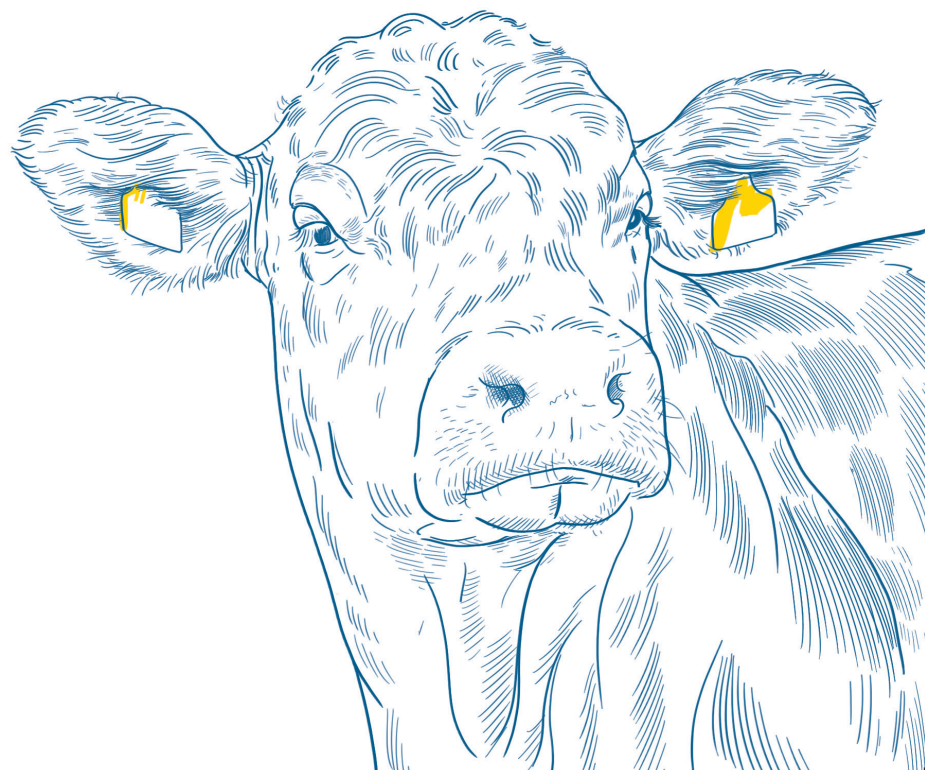
Our bonsilage silage additives provide the ideal support for high-quality forage production in every situation, ensuring that every megajoule of energy and kilogram of protein harvested from your land is optimally preserved. You will not only improve the efficiency of your feeding but also actively contribute to more sustainable resource use.

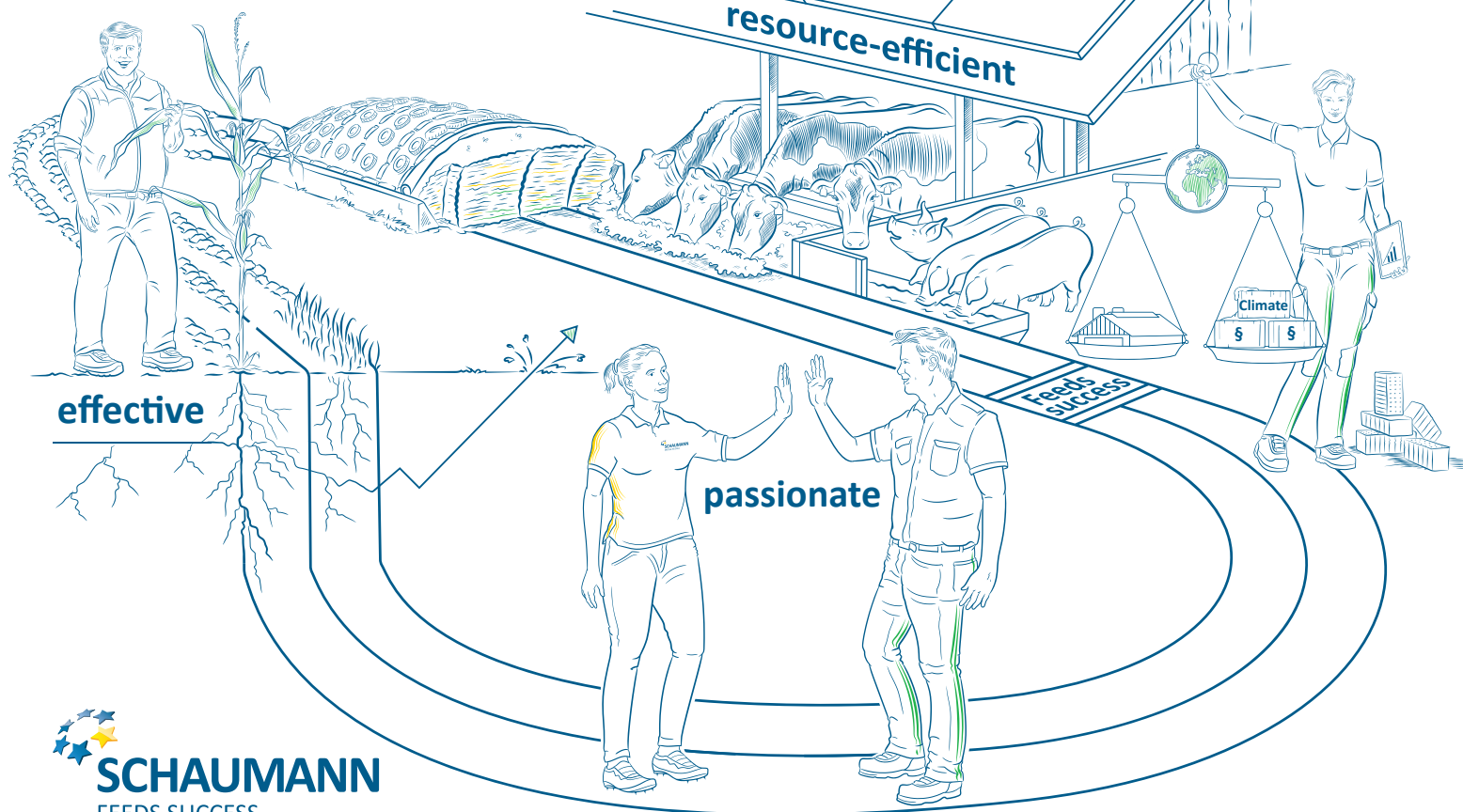
Together, passionately, forward-looking

Whether in a face-to-face consultation on the farm or digitally by our Cow-how platform, your farm's objectives are always at the heart of our advice and product development.

We live this commitment on our own farm, Hülseberg Estate. Here, a 220-head dairy herd combined with state-of-the-art technology provides valuable insights under practice conditions. We use these insights to further develop proven concepts and, in collaboration with ISF GmbH, Schaumann Research, to create innovative solutions – always driven by our passion for shared success.

Yours sincerely,
The SCHAUMANN Team





The SCHAUMANN concept – much more than just mineral feed

Always on site – wherever you need us

Our highly qualified team and partners are ready to provide you with competent and specialised advice. As your local contact, they are always on site - whether in the barn, at the silo or in the field. We are there where you need us, tailoring our services to the specific needs of your business.

Digital solutions that really take you forward

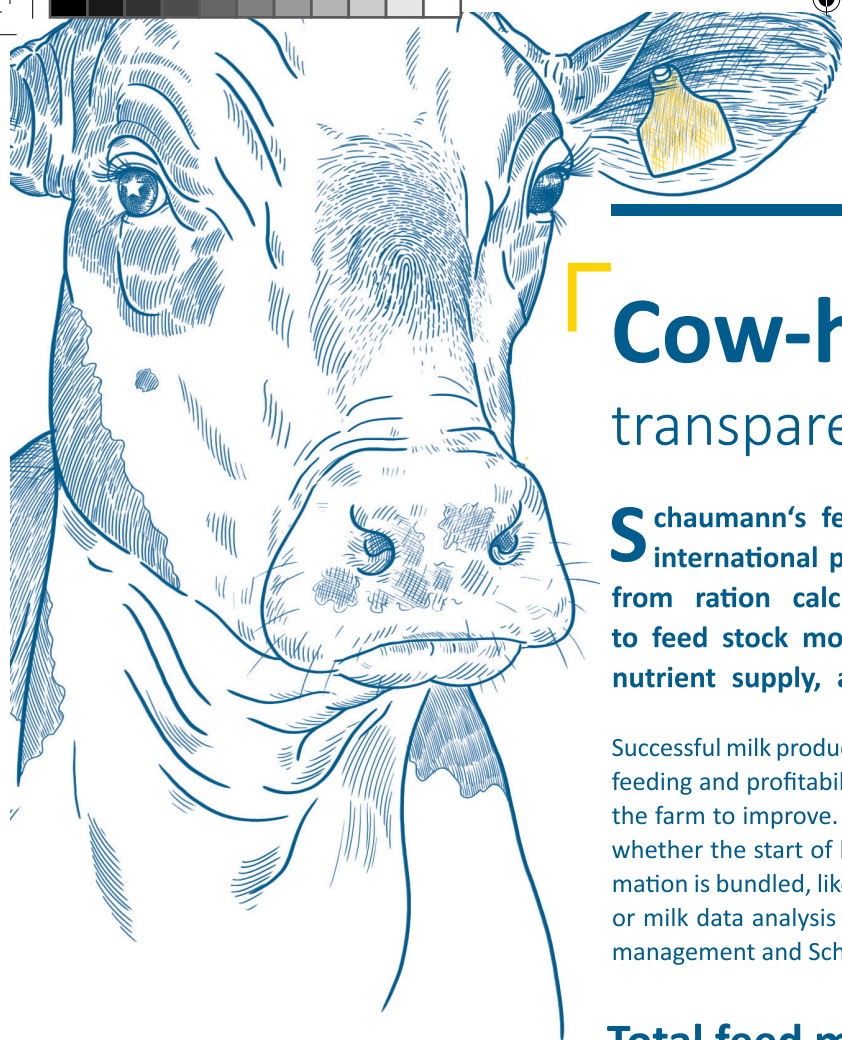
With Cow-how, the digital platform for feeding and managing your dairy and/or beef herd, you and your Schaumann consultant work together interactively. From adjusting rations on both sides, to analysing your milk production data and AMS data, to tracking feed intake and income over feed costs (IOFC), Cow-how gives you full control over all key aspects of your business.

Emissions and nutrients at your fingertips

Cow-how also gives you up-to-date information on nitrogen (N) and phosphorus (P) use, nitrogen efficiency and expected methane emissions from your herd's diet - right at your fingertips.

A hub for innovation and exchange Hülseberg Estate, with its high-performance dairy herd and state-of-the-art technology, not only provides practical insights for the ongoing development of our products and concepts - it is also a dynamic meeting place. It is where farmers and experts come together to exchange ideas on the latest developments in feeding, housing and farm management.

We look forward to seeing you soon at Hülseberg!



Cow-how[®] milk

Cow-how – digital, clear, transparent and always available

Schaumann's feeding programme, Cow-how, is also available for international partners since 2023 and offers everything you need: from ration calculation and analysis of milk performance data to feed stock monitoring, IOFC (income over feed cost) calculation, nutrient supply, and integration of all relevant data in one place.

Successful milk production requires continuous monitoring of milk yield performance, feeding and profitability. Cow-how helps to validate all data and shows potential of the farm to improve. For example, the analysis of the milk data in Cow-how shows whether the start of lactation was successful or not. In Cow-how all essential information is bundled, like silage and feed sample analysis for managing diet calculation, or milk data analysis for performance evaluation. It makes it much easier for herd management and Schaumann's expert adviser to work together.

Total feed management at a glance

Cow-how provides a comprehensive view of the herd. By directly linking performance data with milk composition results, such as those from milk recording (HDS Milk Report) or the automated milking system (HDS AMS Report), you can respond to changes in real time. Feed analysis, feed stocks and contracts are also available at any time, ensuring that income and costs associated with dairy farming remain in focus.

Customer satisfaction is reflected in the steadily growing number of users:

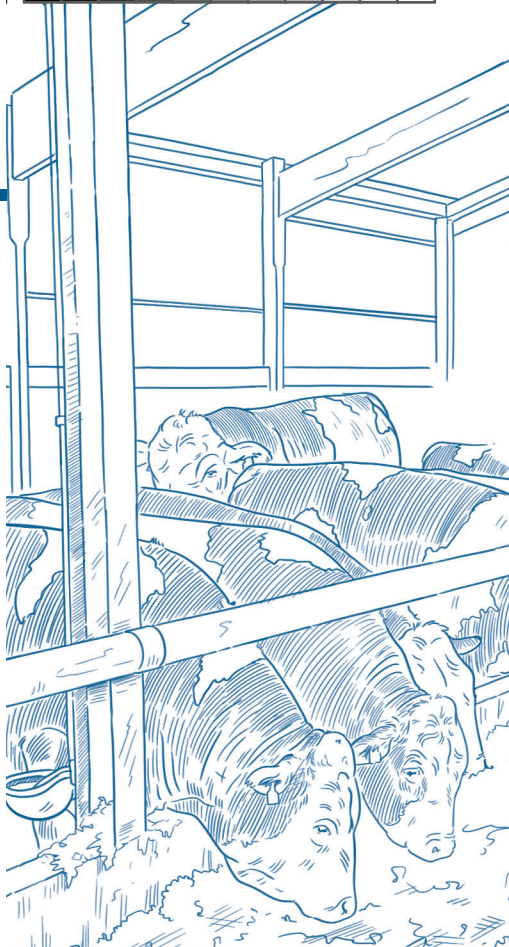
- Nearly **4,000 farms** in Germany alone are supported by Cow-how milk, either for ration calculation, milk data analysis or both.
- More than **278,000 cows** are currently being monitored in Cow-how milk through milk performance data analysis!
- This means that we are currently analysing almost **9 million kg of milk per day** via the Cow-how platform!

IOFC - Income Over Feed Costs

Cow-how provides the current IOFC value on a daily basis, so you can always see how efficiently your herd is converting feed into milk.

Clear Benefits of SCHAUMANN Cow-how

- Milk performance data at your fingertips
- Income versus feed costs and rations are always available
- Ration adjustments communicated directly online to Schaumann's expert advisors
- Integration with feed mixers to monitor loading accuracy
- Mixer loading lists available on all mobile devices
- Feed analysis automatically available online within the program
- Display of feed stocks and contract planning- Compact documentation of all relevant data



Cow-how[®] beef

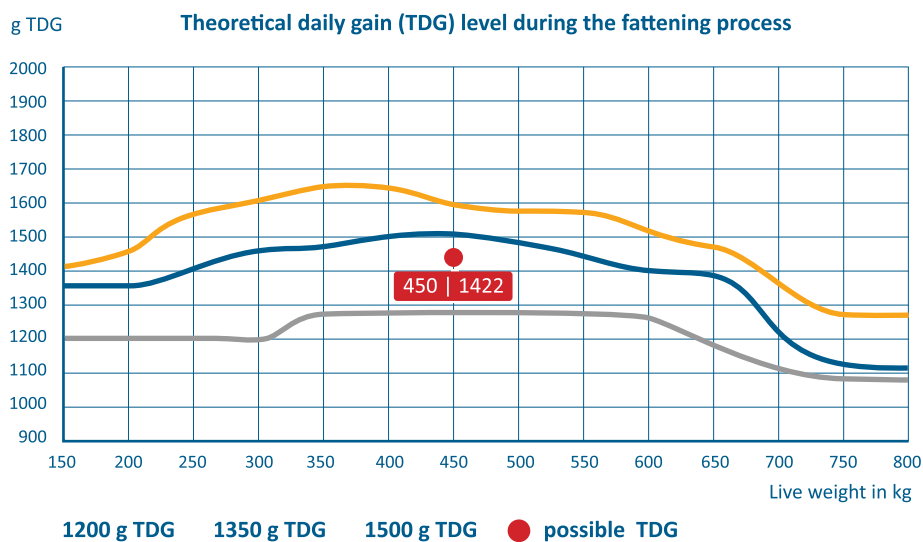
Cow-how beef for cattle farms

Fattening bulls can now benefit from Schaumann's Cow-how platform.

In order to support even more cattle farms with expert knowledge, detailed ration calculations and data analysis, we have expanded the Cow-how milk to include Cow-how beef - a comprehensive module designed specifically for the management of fattening bull farms.

This module allows you to calculate flexible, dynamic rations tailored to the specific needs of different groups of age within your herd. It also provides detailed analysis of feed costs and ration profitability specifically for bulls. It also provides a visual indication of whether the energy or protein content of your ration is limiting daily weight gain, ensuring optimum growth performance.

Cow-how Beef incorporates the typical growth curves and shows you the potential of your ration for the daily weight gain of your animals. This allows you to see at an early stage whether your ration is on track. For example (see fig.), the red dot indicates that, at this point, the ration is sufficient for a daily gain of 1,422g at a current liveweight of 450kg.



Successful collaboration: digitally as well as on farm SCHAUMANN consultant Hendrik Cordes and client Stephan Specker-Dünhöft

Stephan Specker-Dünhöft, farm manager of a dairy farm in Lower Saxony, started using the Schaumann Cow-how feeding program in 2020. Since then, rations have been calculated, milk performance data analysed and, later, feed quantities documented.

"I value the clarity of the milk recording evaluations in Cow-how, as it gives me a quick and interactive overview of performance data. The communication with my Schaumann consultant, Hendrik Cordes, is also easier by the help of the platform. New rations can be implemented quickly by both myself and Hendrik Cordes. Thanks to cloud usage, we both stay up to date."

By documenting feedings directly on the tablet, I have a clear overview of the consumed amounts and therefore more precision when mixing the feed rations. This helps me to quickly identify the reasons for performance changes and reduce costs by avoiding unnecessary feed waste."



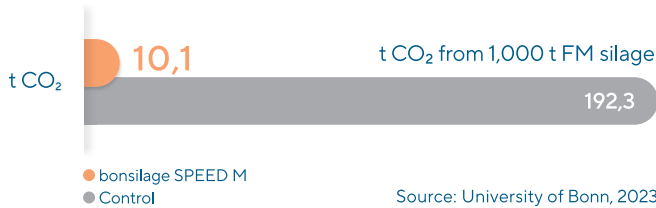
bonsilage

25 years – Silage on the point
Improves forage performance, reduces feed losses,
and lowers the carbon footprint of your milk production.

With bonsilage SPEED M
19 times less CO₂ emissions



CO₂ emissions from corn silage during aerobic storage



Stronger together

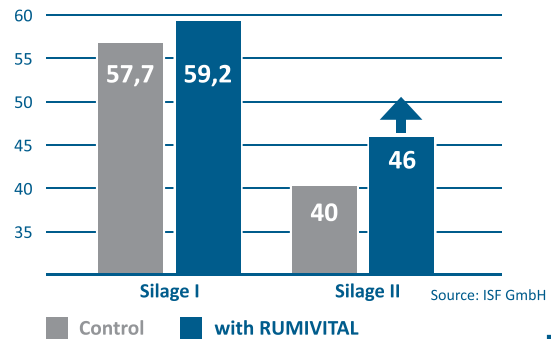
The combination of bonsilage and RUMIVITAL reduces methane emissions per kilogram of milk!

Control Union, an independent institute for the certification and validation of sustainability standards, found a reduction of 13.3g of CO₂ equivalents per kg of milk at Hülseberg Estate. This equates to a total saving of around 32 tons for the entire dairy herd over the 317-day study period.



RUMIVITAL increases the digestibility of the ration, saving on purchased feed and reducing feed costs as well as nitrogen (N) and phosphorus (P) inputs on your farm!

Degradation of the NDF fraction* in %



* after 30 hours of incubation

Innovative raw materials and active ingredients

boncrop

The algae-based biostimulant product line, available in liquid and granulated formulations, promotes root growth, enhances stress resistance in arable crops and grassland, and optimises nutrient uptake. This leads to improved yields and reduced fertiliser use, supporting sustainable agriculture.

SCHAUMANN- Algae power

CERAGEL

An innovative ingredient derived from brown algae that optimises protein utilisation in the rumen. This increases the efficiency of the protein feed used and reduces liver stress. Feed costs are reduced and animal vitality is supported.

aminotrace

Patented organically bound trace elements ensure a targeted supply of zinc, copper and manganese, while significantly reducing raw material use and heavy metal excretion. The improved bioavailability of AMINOTRACE compared to inorganic trace elements ensures more efficient nutrient absorption.

resource-efficient

passionate

effective



SCHAUMANN
FEEDS SUCCESS

Resource-efficient, effective and passionate for over 85 years

For decades, innovative concepts and products from Schaumann have proven that economic efficiency and sustainable use of resources in feeding are not contradictory forces, but rather the essential combination for long-term success.

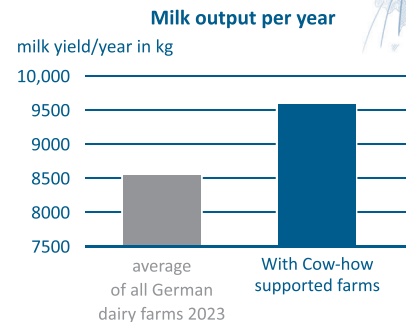
Every day, with passion, we work alongside you to keep your cattle healthy, productive, and long-lived. This is achieved not in spite of, but because of the efficient use of your farm's resources. Step by step, we contribute to more efficient and resource-conserving milk production - building a sustainable and successful future!

Which building blocks will we implement together?



Cow-how®

Our smart, digital platform allows you to keep an eye on all relevant data for your dairy or fattening herd at any time. With over 4,000 customers across Germany using Cow-how, we not only work together continuously and digitally to improve performance and herd health, but also give you real-time insight into your herd's feed efficiency and net emissions.



Best Practice



GUT HÜLSENBERG

At Hülseberg Estate, we successfully apply all our Cow-how in practice. Through continuous digital monitoring and adjustment of feeding, we achieve steadily increasing performance and exceptionally high feed efficiency. With forward-thinking concepts, we are also working on solutions to improve sustainability in milk production, which is reflected in our perfect score of 5 out of 5 in the Arla Dairy Climate Check. Thanks to our optimised health management, our herd is one of the longest-living in Germany.

Certified



2-1328-22-100-00

The SCHAUMANN-ENERGY components for concentrated energy supplementation for high-performance cows, contained in our complete mineral supplements, are Mass Balance certified according to RSPO standards. This means that with every kilo fed, we contribute to a more sustainable use of palm oil products.

Prefer a palm oil-free option?

Ask us about SCHAUMANN ENERGY EU L, which is based on pork lard as a rumen-protected fat.

Coming soon: CO₂ footprint of our products

We are developing an innovative model that will show the individual carbon footprint of all our products - from raw material sourcing, through production, to customised delivery to your farm. Starting in 2025, we will begin gradually making this data available to our customers in Germany at the first step.





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